

# *GSM reporter interface for live reports and communication with OB van*



## *RS-110*

*A lightweight, cute, easy to operate, professional, hands free interface unit to connect a mobile phone to a headset.*

**Live reports:** Although one tries to avoid this, there are situations in which a reporter of necessity has to use his mobile (GSM) telephone for a live broadcast. It could be that neither ISDN nor PSTN lines are available nor a satellite uplink, but the reporter has hot news and needs to get this to the studio immediately. He does however, have a mobile phone. The RS-110 can come to the rescue. The RS-110 serves as the interface between his mobile telephone, microphone and headphones. After connecting these devices he can commence with live reporting immediately. Simultaneously questions, commands or the programme can be received from the studio. But most importantly of all, in comparison to the sound of a normal mobile telephone call, the sound quality when using the RS-110 is decidedly better. The improved sound quality is more pleasant to the ear!

The normal world wide GSM network is used for transmission. A wireless connection can thus be established in seconds enabling him to do a live report from the hot spot.

**Communication with OB van:** Intercom systems in OB vans are essential to liaise between different parties. All those on set, technicians, producers etc. are able to remain in contact with the OB van while using their mobile phone connected to a RS110. An added advantage is that distance to the OB van is no longer a limitation.

**Other models:** The RS-110 offers only one microphone input and one headphones output. Occasionally however, items have been pre-recorded and need to be sent to the studio urgently. In that case an additional line input is required. The GSM reporter interface RS-130 specifically meets this requirement. It has two mic/line inputs and two headphones/line outputs. There are other GSM interfaces, specifically for OB vans, which are used as GSM hybrids. Visit our website for further details.

*Hands free Reporter Interface for Mobile Phones!*

# RS-110: Hands free Reporter Interface for Mobile Phones!

## Features

- mic input
- headphone output
- compatible with all current mobile phone models
- wireless digital 4-wire connection to You/Com StudioSet
- sounds louder and clearer
- no cross-talk, less noise

## Optional Feature

- Bluetooth option to make a true wireless connection



## Easy connection

The Reporter Interface unit RS-110 is designed in such a way, that it can easily be connected to a GSM (mobile) telephone with a cable. Cables are available for GSM telephones of various types and makes. All electrical connections are realised via the connector at the bottom of the mobile phone. During live contributions the RS-110 can be attached to a belt, so that the reporter is able to operate hands free. An XLR connector to connect a microphone and a 6mm jack connector to connect the headphones can be found at the bottom of the RS-110. The transmission level and headphones' level for cue can be adjusted with the two potentiometers. Both signals can also be mixed and heard on the headphones. Power is supplied by a standard 9V battery to be inserted into the side of the unit.

## Wireless connection with Bluetooth

A Bluetooth module is available as an alternative for the cable connection between the RS-110 and a mobile phone. Bluetooth technology eliminates the fragile cable connections between the mobile phone and RS-110. The sound quality however, remains the same.



## 4-wire to ISDN hybrid

Mobile telephones are virtual 4-wire units. When phoning directly into a StudioSet (You/Com's 4-wire ISDN hybrid) in the studio the live report sounds remarkably louder and clearer, because the connection is digital 4-wire from beginning to end. Cross-talk has been eliminated. Take note that, the combined use of a StudioSet with a GSM reporter interface enhances the sound quality even more!

## 4-wire to GSM hybrid

If an OB van does not have an ISDN line at its disposal, a GSM hybrid is a good alternative for communication. There are two GSM hybrids available in 19" rack version (RS-250 and RS-250d) and two as a small portable unit (RS-130b and RS-250w). All GSM hybrids have line-in and line-out.



## Technical Specifications RS-110

<b>Connectors:</b>	Input: XLR-connector for microphone
	Output: 6,3mm jack for headphones
	Mobile phone: 15pin Sub D connector for special cables* or for Bluetooth module
<b>Input:</b>	Microphone: -40 to -60 dBu, symmetrical and free from earth
<b>Output:</b>	Headphones: max. +15 dBu at 1 $\Omega$ / +9 dBu at 200 $\Omega$
<b>Frequency response:</b>	250 to 3500 Hz (limited by the telephone filter)
<b>Dimensions:</b>	80 x 150 x 45 mm ( L x W x H ) without connectors
<b>Weight: approx.</b>	295 grams including battery (excluding mobile phone)
<b>Power consumption:</b>	approx. 20 mA

**Recommended microphones:** All dynamical microphones with an impedance of 200  $\Omega$

**Recommended headphones:** All types with an impedance between 60 and 2000  $\Omega$

\* Cables: For an update on cables available for which type of mobile phone, please visit our website [www.youcom.nl](http://www.youcom.nl) under Products/GSM interfaces.



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